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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/765,569	01/28/2004	Nikolay K. Iltchev	08935-302001 / M-5090	8130	
²⁶¹⁶¹ FISH & RICHA	7590 05/10/200 ARDSON PC	7	EXAMINER		
P.O. BOX 1022		WEINER, LAURA S			
MINNEAPOLI	S, MN 55440-1022		ART UNIT PAPER NUMBER		
			1745		
			MAIL DATE	DELIVERY MODE	
			05/10/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary		Application No.	Applicant(s)	-/-		
		10/765,569	ILTCHEV ET AL.			
		Examiner	Art Unit			
		Laura S. Weiner	1745			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communicati D (35 U.S.C. § 133).	·		
Status						
1)⊠	Responsive to communication(s) filed on 16 Ma	arch 2007.				
2a)	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposit	ion of Claims					
5)⊠ 6)⊠ 7)⊠	Claim(s) <u>1-42</u> is/are pending in the application. 4a) Of the above claim(s) <u>19-42</u> is/are withdraw Claim(s) <u>11-16</u> is/are allowed. Claim(s) <u>1,7-10,17 and 18</u> is/are rejected. Claim(s) <u>2-6</u> is/are objected to. Claim(s) are subject to restriction and/or					
Applicat	ion Papers					
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex-	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121	(d).		
Priority (ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
2) Notice	t(s) te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) tr No(s)/Mail Date 6-04; 7-05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite			

DETAILED ACTION

Election/Restrictions

- 1. Applicant's election of Group I, claims 1-18 in the reply filed on 3-16-07 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
- 2. Claims 19-42 are withdrawn from further consideration pursuant to 37 CFR
- 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 3-16-07.

Claim Rejections - 35 USC § 112

3. Claims 9-10, 17-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 9-10 and 17-18 are rejected because it is unclear what is meant by "lacking the particle". Also, there is no antecedent basis for "the particle".

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1, 7-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Taucher et al. (WO 93/12551).

Taucher et al. teaches an alkaline manganese dioxide-zinc battery comprising a cathode comprising manganese dioxide active material, a conductive powder, graphite and an additive compound which is at least 3% mass such as barium oxide, barium hydroxide or barium sulphate. Figure 1 shows an alkaline cell. Taucher et al. teaches on page 5, that the cell includes a zinc anode, a separator and an electrolyte comprising KOH. Taucher et al. teaches on page 1, that electrolytic manganese dioxide can be used.

6. Claims 1, 7-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Bennett et al. (WO 00/30198).

Bennett et al. teaches a cell comprising an anode, a cathode and an alkaline electrolyte where the anode or the cathode comprises barium compound such as barium sulphate or barium hydroxide as an additive. The anode comprises zinc and the cathode comprises electrolytic manganese dioxide and graphite.

Claim Rejections - 35 USC § 103

7. Claims 9-10 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Taucher et al. (WO 93/12551) or

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Bennett et al. (WO 00/30198).

Taucher et al. teaches an alkaline manganese dioxide-zinc battery comprising a cathode comprising manganese dioxide active material, a conductive powder, graphite and an additive compound which is at least 3% mass such as barium oxide, barium hydroxide or barium sulphate. Figure 1 shows an alkaline cell. Taucher et al. teaches on page 5, that the cell includes a zinc anode, a separator and an electrolyte comprising KOH. Taucher et al. teaches on page 1, that electrolytic manganese dioxide can be used.

Bennett et al. teaches a cell comprising an anode, a cathode and an alkaline electrolyte where the anode or the cathode comprises barium compound such as barium sulphate or barium hydroxide as an additive. The anode comprises zinc and the cathode comprises electrolytic manganese dioxide and graphite.

Since Taucher et al. and Bennett et al. teaches the same battery comprising a cathode comprising an electrolytic MnO2, a conductive material and a barium salt, an anode comprising zinc and an alkaline electrolyte then inherently the same service life of the battery in an intermittent discharge test is at least 2% or 3% longer than the surface life of a battery lacking the particle must also be obtained.

In addition, the presently claimed property of the same service life of the battery in an intermittent discharge test is at least 2% or 3% longer than the surface life of a battery lacking the particle would have obviously have been present once the Taucher et al. or Bennett et al. product is provided. *In re Best, 195 USPQ 433 (CCPA 1977)*.

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Allowable Subject Matter

8. Claims 11-16 are allowed.

9. Claims 2-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the

base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Laura S Weiner Primary Examiner Art Unit 1745

April 30, 2007